

CLAIMS

- 1 1. A service logic execution environment (SLEE) in an intelligent network model,
2 said network model comprising an application layer and a protocol layer, said SLEE
3 comprising:
4 a class loader for loading service components in the SLEE, the SLEE registering
5 each loaded service component to receive events directed to particular registered
6 service components; and,
7 an event routing bus for receiving events from the protocol layer and other
8 service components, said event routing bus routing said received events to said
9 particular registered service components executing in the SLEE.
- 1 2. The SLEE of claim 1, further comprising:
2 a thread pool; and,
3 a thread pool manager for allocating threads for use by said loaded service
4 components.
- 1 3. The SLEE of claim 1, further comprising:
2 at least one timer for use by service components in the SLEE.
- 1 4. The SLEE of claim 1, further comprising:
2 at least one usage counter for recording service request response metrics.
- 1 5. The SLEE of claim 1, wherein said event routing bus is further configured to
2 receive events from application components which are external to the SLEE and
3 the protocol layer.
- 1 6. The SLEE of claim 1, wherein each service component comprises:
2 at least one service instance; and,
3 a service wrapper for providing an interface to said at least one service instance.

1 7. The SLEE of claim 1, wherein each service component further comprises:
 2 a deployment descriptor for providing configuration information to said SLEE,
 3 wherein said SLEE can use said deployment descriptor to properly configure said
 4 service component.

1 8. The SLEE of claim 1, wherein at least one of said service components contains
 2 a protocol stack for managing communications in a communications network.

1 9. The SLEE of claim 1, wherein said SLEE implements a JAIN Service Logic
 2 Execution Environment (JSLEE) interface.

1 10. A method for routing events in a service logic execution environment (SLEE)
 2 comprising the steps of:
 3 receiving at least one event from a service component executing in the SLEE;
 4 and,
 5 routing each received event to a service component which has registered with
 6 the SLEE to receive said routed event.

1 11. The method of claim 10, wherein said receiving step further comprises the step
 2 of:
 3 receiving at least one event from an application component which is external to
 4 the SLEE.

1 12. The method of claim 10, wherein said receiving step further comprises the step
 2 of :
 3 receiving at least one event from a protocol stack.

1 13. A machine readable storage, having stored thereon a computer program for
 2 routing events in a service logic execution environment (SLEE), said computer program

3 having a plurality of code sections executable by a machine for causing the machine to
4 perform the steps of:

5 receiving at least one event from a service component executing in the SLEE;
6 and,
7 routing each received event to a service component which has registered with
8 the SLEE to receive said routed event.

1 14. The machine readable storage of claim 13, wherein said receiving step further
2 comprises the step of:

3 receiving at least one event from an application component which is external to
4 the SLEE.

1 15. The machine readable storage of claim 13, wherein said receiving step further
2 comprises the step of :

3 receiving at least one event from a protocol stack.